

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 10/591,558
Source: FFWP
Date Processed by STIC: 9/15/06

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 09/15/2006

PATENT APPLICATION: US/10/591,558

TIME: 09:06:22

Input Set : A:\2488041-SEQ.txt

Output Set: N:\CRF4\09152006\J591558.raw

3 <110> APPLICANT: Irun Cohen
 4 Avishai Mimran
 5 Francisco Quintana
 6 Felix Mor
 7 Pnina Carmi
 9 <120> TITLE OF INVENTION: CD25 DNA VACCINES FOR TREATING AND PREVENTING T-CELL
 MEDIATED
 10 DISEASES
 12 <130> FILE REFERENCE: 2488.041
 C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/591,558
 C--> 14 <141> CURRENT FILING DATE: 2006-08-31
 14 <150> PRIOR APPLICATION NUMBER: PCT/IL2005/000273
 15 <151> PRIOR FILING DATE: 2005-03-08
 17 <150> PRIOR APPLICATION NUMBER: US 60/550,308
 18 <151> PRIOR FILING DATE: 2004-03-08
 20 <160> NUMBER OF SEQ ID NOS: 11
 22 <170> SOFTWARE: PatentIn version 3.3
 24 <210> SEQ ID NO: 1
 25 <211> LENGTH: 2308
 26 <212> TYPE: DNA
 27 <213> ORGANISM: Homo sapiens
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 34 tccgcttcac tgccccggct ggtcccaagg gtcaggaaga tggattcata cctgctgatg 180
 36 tggggactgc tcacgttcat catggtgcct ggctgccagg cagagctctg tgacgatgac 240
 38 ccgccagaga tcccacacgc cacattcaaa gccatggcct acaaggaagg aaccatgttg 300
 40 aactgtgaat gcaagagagg tttccgcaga ataaaaagcg ggctactcta tatgctctgt 360
 42 acaggaaact ctagccactc gtctctggac aaccaatgtc aatgcacaag ctctgccact 420
 44 cggaacacaa cgaaacaagt gacacctcaa cctgaagaac agaaagaaag gaaaaccaca 480
 46 gaaatgcaaa gtccaatgca gccagtggac caagcgagcc ttccagggtca ctgcagggaa 540
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 50 gttttattatc agtgcgtcca gggatacagg gctctacaca gaggtcctgc tgagagcgtc 660
 52 tgcaaaatga cccacgggaa gacaaggtgg acccagccc agctcatatg cacaggtgaa 720
 54 atggagacca gtcagtttcc aggtgaagag aagcctcagg caagccccga aggcctcct 780
 56 gagagtgaga cttcctgcct cgtcacaca acagatttcc aaatacacag agaaatggct 840
 58 gcaaccatgg agacgtccat atttacaaca gagtaccagg tagcagtggc cggctgtggt 900
 60 ttctgtctga tcagcgtcct cctcctgagt gggctcacct ggcagcggag acagaggaa 960
 62 agtagaagaa caatctagaa aaccaaaga acaagaattt cttggttaaga agccgggaac 1020
 64 agacaacaga agtcatgaag cccaagtga atcaaagggtg ctaaattggc gccaggaga 1080
 66 catccgttgt gcttgctgc gttttggaag ctctgaagtc acatcacagg acacggggca 1140
 68 gtggcaacct tgtctctatg ccagctcagt cccatcacag agcgagcgt acccacttct 1200
 70 aaatagcaat ttcgccgttg aagaggaagg gcaaaaccac tagaactct catcttattt 1260
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90 cctgaatttg gctgcacta atttgatgtt tacaggtgga cacacaaggt gcaaataat 1860
92 gcgtacgttt cctgagaagt gtctaaaaac accaaaaagg gatccgtaca ttcaatgttt 1920
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100 gggcagcata gcaagacaca tccctacaaa aaattagaaa ttggctggat gtgggtggcat 2160
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110 <211> LENGTH: 272
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112 <213> ORGANISM: Homo sapiens
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120 Pro Gly Cys Gln Ala Glu Leu Cys Asp Asp Asp Pro Pro Glu Ile Pro
121 20 25 30
124 His Ala Thr Phe Lys Ala Met Ala Tyr Lys Glu Gly Thr Met Leu Asn
125 35 40 45
128 Cys Glu Cys Lys Arg Gly Phe Arg Arg Ile Lys Ser Gly Ser Leu Tyr
129 50 55 60
132 Met Leu Cys Thr Gly Asn Ser Ser His Ser Ser Trp Asp Asn Gln Cys
133 65 70 75 80
136 Gln Cys Thr Ser Ser Ala Thr Arg Asn Thr Thr Lys Gln Val Thr Pro
137 85 90 95
140 Gln Pro Glu Glu Gln Lys Glu Arg Lys Thr Thr Glu Met Gln Ser Pro
141 100 105 110
144 Met Gln Pro Val Asp Gln Ala Ser Leu Pro Gly His Cys Arg Glu Pro
145 115 120 125
148 Pro Pro Trp Glu Asn Glu Ala Thr Glu Arg Ile Tyr His Phe Val Val
149 130 135 140
152 Gly Gln Met Val Tyr Tyr Gln Cys Val Gln Gly Tyr Arg Ala Leu His
153 145 150 155 160
156 Arg Gly Pro Ala Glu Ser Val Cys Lys Met Thr His Gly Lys Thr Arg
157 165 170 175
160 Trp Thr Gln Pro Gln Leu Ile Cys Thr Gly Glu Met Glu Thr Ser Gln
161 180 185 190
164 Phe Pro Gly Glu Glu Lys Pro Gln Ala Ser Pro Glu Gly Arg Pro Glu
165 195 200 205
168 Ser Glu Thr Ser Cys Leu Val Thr Thr Thr Asp Phe Gln Ile Gln Thr

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172 Glu Met Ala Ala Thr Met Glu Thr Ser Ile Phe Thr Thr Glu Tyr Gln
173 225      230      235      240
176 Val Ala Val Ala Gly Cys Val Phe Leu Leu Ile Ser Val Leu Leu Leu
177      245      250      255
180 Ser Gly Leu Thr Trp Gln Arg Arg Gln Arg Lys Ser Arg Arg Thr Ile
181      260      265      270
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185 <211> LENGTH: 21
186 <212> TYPE: PRT
187 <213> ORGANISM: Artificial
189 <220> FEATURE:
190 <223> OTHER INFORMATION: synthetic peptide derived from CD25
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204 <212> TYPE: PRT
205 <213> ORGANISM: Artificial
207 <220> FEATURE:
208 <223> OTHER INFORMATION: synthetic peptide derived from CD25
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222 <212> TYPE: PRT
223 <213> ORGANISM: Artificial
225 <220> FEATURE:
226 <223> OTHER INFORMATION: synthetic peptide derived from IL2-Rb
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231 1      5      10      15
234 Arg Val Ile Ala
235      20
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239 <211> LENGTH: 20
240 <212> TYPE: PRT
241 <213> ORGANISM: Artificial
243 <220> FEATURE:
244 <223> OTHER INFORMATION: synthetic peptide derived from IL-2Rb
246 <400> SEQUENCE: 6
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249 1      5      10      15

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259 <213> ORGANISM: Artificial
261 <220> FEATURE:
262 <223> OTHER INFORMATION: synthetic peptide derived from TNFR1
264 <400> SEQUENCE: 7
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267 1          5          10          15
270 Arg Leu Glu Leu
271          20
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276 <212> TYPE: PRT
277 <213> ORGANISM: Artificial
279 <220> FEATURE:
280 <223> OTHER INFORMATION: synthetic peptide derived from p53
282 <400> SEQUENCE: 8
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289          20
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293 <211> LENGTH: 15
294 <212> TYPE: PRT
295 <213> ORGANISM: Artificial
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298 <223> OTHER INFORMATION: synthetic prptide derived from HSP65
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307 <211> LENGTH: 1578
308 <212> TYPE: DNA
309 <213> ORGANISM: Rattus norvegicus
311 <400> SEQUENCE: 10
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316 gagccacact tgetgatgtt ggggtttctc tcattcacca tagtaccgg ctgttgggca 180
318 gagctgtgtc tgtatgacct accggagggtc cccaatgcca cgttcaaagc cctctctac 240
320 aagaacggca ccatcctaaa ctgtgaatgc aagagagggt tccgaagact gaatgagctg 300
322 gtctatatgg cttgtctagg aaactcctgg agcaacaact gtcagtgcac aagcaactcc 360
324 catgacaact caagagagca agttacacct caacctgaag gacagaaaga gcaacagacc 420
326 acggacacgc agaaatcaac acagtctgtg taccaggaga accttgcagg tcaactgcagg 480
328 gagccccctc cttggagaca tgaagacacc aagagaatct accacttcgt ggaaggacag 540
330 atagttctct acacgtgtat tcaaggatac aaggctctac agagagggtc tgctatcagc 600
332 atctgcaaga cagtgtgtgg ggagataagg tggacgcac cccagctcac gtgtgtagat 660

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338 actacaacta tggagacatt cgtgttcaca aaggagtatc aggtagcagt ggccagctgc 840
340 atcttcctgc tcctcagcat cctcctcctg agtgggttca cctggcaaca tagatggagg 900
342 aagagcagaa gaaccatcta gcaagctaga acagttggag cccaagggaa gatgatggac 960
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346 ttcgatccct cgggtcctgg aaagtatatga agtcccagaga cacaatggca catcgggaaa 1080
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350 cagcagttct aaagctttta cgggagggag ggcccaacgg tgcctgtgtg ttttggtttg 1200
352 tgtacatgtg ttgatgggag ctgcatgggt gtgggtcactt ttcgtggaac acacaatata 1260
354 gaaaagttgc tttatgttga cttcttttgg agagcccagc actaatgtaa atactccctc 1320
356 ctgctcttcc ttcctcttcc tcttctcttc ctcccttact cccccctggg ccaccacact 1380
358 gcacccatct acttttcttc ttcctttctg ttctcacaag gtcacccctag gcatcatgta 1440
360 tggtctggctc ctttctcaac ctctgtttgc ctaactgggt ctttggtatt catcacttac 1500
362 tgatcagttt tttaaaactc tgggctgaca atgaggactc catgttttta gaaggaaacc 1560
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368 <211> LENGTH: 1623
369 <212> TYPE: DNA
370 <213> ORGANISM: Mus musculus
372 <400> SEQUENCE: 11
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377 catgtccagt gcgaatgaag acatcaaagc tgatttgatc ctgacttcta cagcccctga 180
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391 ccagctagag ctgagatgga aaagcagaca tattaagaaa cgctgtttac aatacttggg 600
393 gcagtaccgg agcaacagag atcgaagctg gacggaacta atagtgaatc atgaacctag 660
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423 atgcaccacc acaccagca tggctccttct cttttatagg attctccctc cttttttcta 1560
425 cctatgattc aactgtttcc aaatcaacaa gaaataaagt ttttaaccaa tgataaaaaa 1620
427 aaa
1623

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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3,4,5,6,7,8,9

VERIFICATION SUMMARY

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L:14 M:270 C: Current Application Number differs, Replaced Current Application No

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date